

What is claimed is:

1. A liquid detergent composition suitable for washing and conditioning delicate fabrics  
5 comprising:

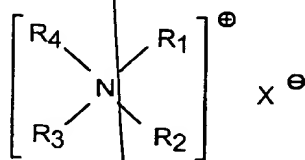
- (a) an anionic surfactant;
- (b) a quaternary ammonium surfactant;
- (c) a silicone softening agent; and
- (d) optionally, an emulsifier

10 wherein the weight ratio of anionic surfactants to quaternary ammonium surfactants is from about 2:1 to about 3:1, preferably from about 2.2:1 to about 2.8:1.

2. A liquid detergent composition according to claim 1 further comprising an enzyme selected from the group consisting of mannanases, amylases and mixtures thereof.

3. A liquid detergent composition according to claim 1 wherein the composition contains no cellulase or peroxidase enzymes.

4. A liquid detergent composition according to claim 1 wherein the quaternary ammonium surfactant is selected from the group consisting of:



5 wherein R<sub>1</sub> and R<sub>2</sub> are individually selected from the group consisting of C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> hydroxy alkyl, benzyl, and -(C<sub>2</sub>H<sub>4</sub>O)<sub>x</sub>H where x has a value from about 2 to about 5; X is an anion; and (1) R<sub>3</sub> and R<sub>4</sub> are each a C<sub>6</sub>-C<sub>14</sub> alkyl or (2) R<sub>3</sub> is a C<sub>6</sub>-C<sub>18</sub> alkyl, and R<sub>4</sub> is selected from the group consisting of C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> hydroxyalkyl, benzyl, and -(C<sub>2</sub>H<sub>4</sub>O)<sub>x</sub>H where x has a value from 2 to 5 and mixtures thereof

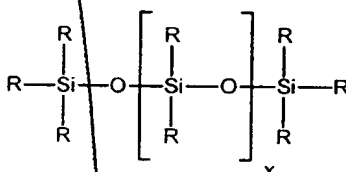
5. A liquid detergent composition according to claim 1 further comprising a fabric care component selected from the group consisting of cyclic amine based polymer, oligomer and copolymer materials, polyvinyl pyrrolidone polymers, polyamine N-oxide polymers, copolymers

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of N-vinylpyrrolidone and N-vinylimidazole, manganese phthalocyanine, peroxidases and mixtures thereof.

6. A liquid detergent composition according to claim 1 further comprising a cyclic amine based polymer, oligomer or copolymer material and polyamine N-oxide polymers.

7. A liquid detergent composition according to claim 1 the silicone softening agent selected from the group consisting of:



wherein R is aliphatic, preferably alkyl or alkenyl, or aryl; R can be substituted or unsubstituted, and x is an integer from 1 to about 8,000.

8. A liquid detergent composition according to claim 1 further comprising a-amylases having a specific activity at least 25% higher than the specific activity of Termamyl<sup>®</sup> at a temperature range of 25°C to 55°C and at a pH value in the range of 8 to 10, measured by the Phadebas<sup>®</sup> a-amylase activity assay.

9. A liquid detergent composition according to claim 1 wherein the silicone softening agent is selected from the group consisting of: polydimethylsiloxane, polydiethylsiloxane, polymethylphenylsiloxane and mixtures thereof.

10. A liquid detergent composition according to claim 1 wherein the silicone softening agent is a polyalkylene oxide-modified polydimethylsiloxane.

11. A liquid detergent composition according to claim 1 wherein the emulsifier is an emulsifying surfactant.

12. A kit comprising:

(a) a flexible wrap container comprising:

a flexible panel having a right edge, a left edge, a top edge, and a bottom edge;

at least one strap and a first fastening device attached to said strap for securing  
the wrap container in a roll-like shape;  
a first flap attached to said right edge of said flexible panel; and  
a second flap attached to said left edge of said flexible panel, wherein said first  
and second flaps overlap when folded about their respective edges;

(b) instructions for using the flexible wrap container, the instructions being enclosed with  
or on a container enclosing the kit; and

(c) a liquid detergent composition suitable for washing and conditioning delicate fabrics  
comprising:

- i) an anionic surfactant;
- ii) a quaternary ammonium surfactant;
- iii) a silicone softening agent; and
- iv) optionally, an emulsifier;

wherein the weight ratio of anionic surfactants to quaternary ammonium surfactants is  
from about 2:1 to about 3:1, preferably from about 2.2:1 to about 2.8:1.

2/ 13. A kit according to claim 12 wherein the kit further comprises a wash pretreatment  
composition comprising surfactants, enzymes and water.

3/ 14. A kit according to claim 12 wherein the flexible wrap container at standard temperature  
and pressure has a density of greater than about 1 g/cm<sup>3</sup>.

4/ 15. A kit according to claim 13 wherein the wash pretreatment composition further comprises  
ingredients selected from the group consisting of: deterative surfactants, enzymes, dye transfer  
inhibiting polymers, soil release agents, detergent builders, non-deterative surfactants, dispersant  
polymers, water, ethanol and mixtures thereof.

5/ 16. A process comprising the steps of:

(a) placing a garment within a flexible wrap container, the flexible wrap container  
comprising:

- (i) a flexible panel constructed from a material selected from the group  
consisting of woven polyester, woven nylon or a combination thereof; the  
flexible panel has a right edge, a left edge, a top edge and a bottom edge;

- (ii) at least two connecting means located adjacent to the bottom edge of the flexible panel for the purpose of attaching the flexible wrap container to a second flexible wrap container;
- 10 (iii) a first and a second strap, each strap attached adjacent to the top edge of the flexible panel; and
- (iv) a first fastening device which is fixably and permanently attached to the first or second strap, so that the first fastening device's position on the strap does not change, and a second fastening device, attached to the first or second
- 15 strap by passing the strap through the second fastening device in such a way that by changing the second fastening device's position on the strap, the length of the strap can be increased or decreased;
- (b) placing the flexible wrap container together with an effective amount of a liquid detergent composition suitable for washing and conditioning delicate fabrics inside a washing machine wherein the detergent composition comprises:
- 20 i) an anionic surfactant;
- ii) a quaternary ammonium surfactant;
- iii) a silicone softening agent; and
- iv) optionally, an emulsifier;
- 25 wherein the weight ratio of anionic surfactants to quaternary ammonium surfactants is from about 2:1 to about 3:1, preferably from about 2.2:1 to about 2.8:1; and
- (c) operating the washing machine as directed by the manufacturer.

6 17. The process according to claim 16 wherein before step (a), the process further comprises the steps of:

- 5 (i) applying a wash pretreatment composition directly to a stain, the stain being in contact with an absorbent material covering a localized area of the garment intended to be washed;
- (ii) concurrently with step (i), applying mechanical action to the stain by means of a wash pretreatment applicator, whereby the stain is transferred into the absorbent material; and
- 10 (iii) optionally, rinsing the wash pretreatment composition off the localized area of the garment.

7 18. A kit according to claim 12 wherein the silicone softening agent is a polyalkylene oxide-modified polydimethylsiloxane.

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- 5 ~~8~~ 19. A process according to claim ~~16~~ <sup>5</sup> wherein the silicone softening agent is a polyalkylene oxide-modified polydimethylsiloxane.
- 9 ~~9~~ 20. A process according to claim ~~16~~ <sup>5</sup> wherein improved ironing efficiency of the garment results therefrom.
- 10 ~~10~~ 21. A process according to claim ~~20~~ <sup>9</sup> wherein reduced wrinkling of the garment results therefrom.
- ~~SA~~ 22. A process according to claims ~~20-21~~ wherein the garment is composed of silk fibers.
- 15 23. A liquid detergent composition according to claim 1 further comprising a mannanase enzyme. ~~6~~